Costliest U.S. Tropical Cyclones

NOAA's National Centers for Environmental Information (NCEI) in consultation with the National Hurricane Center (NHC) has updated this listing of costliest tropical cyclones to strike the United States. This listing was previously found in the NOAA memorandum The Deadliest, Costliest and Most Intense U.S. Tropical Cyclones, at https://www.nhc.noaa.gov/pdf/nws-nhc-6.pdf

For all United States hurricanes, Hurricane Katrina (2005, $180.0B*) is the costliest storm on record. Hurricane Harvey (2017, $143.8B*) ranks second, Hurricane Maria (2017, $103.5B*) ranks third, Hurricane Sandy (2012, $80.0B*) ranks fourth, and Hurricane Ida (2021, $76.5B*) ranks fifth.

The NCEI data set provides more loss information than previous damage figures used by NHC, including agriculture, individual payouts, and disaster money from the federal government to the respective states. In performing these disaster cost assessments, NCEI examined statistics from a wide variety of sources. Using the latest scientific methodology, it determined the estimated total costs of these events - that is, the costs in terms of dollars that would not have been incurred had the event not taken place. Insured and uninsured losses are included in damage estimates. Sources include the National Weather Service, the Federal Emergency Management Agency, U.S. Department of Agriculture, U.S. Army Corps of Engineers, individual state emergency management agencies, state and regional climate centers, media reports, and insurance industry estimates.

For more information visit https://www.ncei.noaa.gov/access/billions/

**values based on the 2022 Consumer Price Index adjusted cost*

Costliest tropical cyclones to impact the United States (cost values are based on the 2022 Consumer Price Index adjusted cost)

Tropical Cyclone	Year	Category	Adjusted Costs
Long Island Express	1938	3	$6.2B
Great Atlantic Hurricane	1944	3	$5.6B
Carol	1954	3	$4.9B
Diane	1955	1	$8.8B
Donna	1960	4	$3.7B
Betsy	1965	3	$12.8B
Camille	1969	5	$11.0B
Celia	1970	3	$6.8B
Agnes	1972	1	$14.3B
Frederick	1979	3	$6.7B
Alicia	1983	3	$8.5B
Elena	1985	3	$3.4B
Juan	1985	1	$3.9B
Hugo	1989	4	$20.4B
Bob	1991	2	$3.1B
Andrew	1992	5	$54.3B
Iniki	1992	4	$6.2B
Marilyn	1995	2	$3.9B
Opal	1995	3	$8.7B
Fran	1996	3	$9.0B
Georges	1998	2	$10.4B
Floyd	1999	2	$11.0B
Allison	2001	TS	$13.5B
Isabel	2003	2	$8.4B
Charley	2004	4	$24.0B
Frances	2004	2	$14.6B
Ivan	2004	3	$30.5B
Jeanne	2004	3	$11.2B
Dennis	2005	3	$3.6B
Katrina	2005	3	$180.0B
Rita	2005	3	$26.5B
Wilma	2005	3	$27.0B
Gustav	2008	2	$7.7B
Ike	2008	2	$39.0B
Irene	2011	1	$16.9B
Lee	2011	TS	$3.1B
Isaac	2012	1	$3.4B
Sandy	2012	1	$80.0B
Matthew	2016	1	$11.7B
Harvey	2017	4	$143.8B
Irma	2017	4	$57.5B
Maria	2017	4	$103.5B
Florence	2018	1	$26.9B
Michael	2018	5	$28.0B
Imelda	2019	TS	$5.5B
Isaias	2020	1	$5.2B
Laura	2020	4	$25.3B

Tropical Cyclone	Year	Category	Adjusted Costs
Sally	2020	2	$7.9B
Delta	2020	2	$3.1B
Zeta	2020	2	$4.7B
Ida	2021	4	$76.5B

Last Updated: April 8, 2022

Tropical cyclones impacting the United States that resulted in at least $1 billion of damage costs at the time they occurred

Tropical Cyclone	Year	Category	Unadjusted Costs
Betsy	1965	3	$1.4B
Camille	1969	5	$1.4B
Agnes	1972	1	$2.1B
Frederick	1979	3	$1.7B
Alicia	1983	3	$3.0B
Elena	1985	3	$1.3B
Juan	1985	1	$1.5B
Hugo	1989	4	$9.0B
Bob	1991	2	$1.5B
Andrew	1992	5	$27.0B
Iniki	1992	4	$3.1B
Alberto	1994	TS	$1.0B
Marilyn	1995	2	$2.1B
Opal	1995	3	$4.7B
Fran	1996	3	$5.0B
Bonnie	1998	3	$1.0B
Georges	1998	2	$6.0B
Floyd	1999	2	$6.5B
Allison	2001	TS	$8.5B
Lili	2002	1	$1.1B
Isidore	2002	TS	$1.2B
Isabel	2003	2	$5.5B
Charley	2004	4	$16.0B
Frances	2004	2	$9.8B
Ivan	2004	3	$20.5B
Jeanne	2004	3	$7.5B
Dennis	2005	3	$2.5B
Katrina	2005	3	$125.0B
Rita	2005	3	$18.5B
Wilma	2005	3	$19.0B
Dolly	2008	2	$1.3B
Gustav	2008	2	$6.0B
Ike	2008	2	$30.0B
Irene	2011	1	$13.5B
Lee	2011	TS	$2.5B
Isaac	2012	1	$2.8B
Sandy	2012	1	$65.0B
Matthew	2016	1	$10.0B
Harvey	2017	4	$125.0B
Irma	2017	4	$50.0B
Maria	2017	4	$90.0B
Florence	2018	1	$24.0B
Michael	2018	5	$25.0B
Dorian	2019	1	$1.6B
Imelda	2019	TS	$5.0B
Hanna	2020	1	$1.1B
Isaias	2020	1	$4.8B

Tropical Cyclone	Year	Category	Unadjusted Costs
Laura	2020	4	$23.2B
Sally	2020	2	$7.3B
Delta	2020	2	$2.9B
Zeta	2020	2	$4.4B
Eta	2020	TS	$1.5B
Elsa	2021	TS	$1.2B
Fred	2021	TS	$1.3B
Ida	2021	4	$73.6B
Nicholas	2021	1	$1.0B

Last Updated: April 8, 2022